

*If you are using a printed copy of this procedure, and not the on-screen version, then you **MUST** make sure the dates at the bottom of the printed copy and the on-screen version match. The on-screen version of the Collider-Accelerator Department Procedure is the Official Version. Hard copies of all signed, official, C-A Operating Procedures are available by contacting the ESSHQ Procedures Coordinator, Bldg. 911A*

C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.120.124.d ATF Sweep Tests

C-A OPM Procedures in which this Attachment is used.		
4.120.124		

Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
_____	_____	_____	_____
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Approved: _____ *Signature on File* _____
 Physics Department Chair Date

V. Castillo

C-A-OPM-ATT 4.120.124.d

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Revision 01
 April 14, 2008

4.120.124.d ATF Sweep Tests

PASS ANNUAL ACCEPTANCE TEST PROTOCOL

Division A Software Filename and Checksum: Title: _____ Checksum: _____

Division B Software Filename and Checksum: Title: _____ Checksum: _____

Initial testing complete:

Test Team Leader's Name (Print): _____ Life Number: _____

Test Team Leader's Name (Sign): _____ Date: ____/____/____

Acceptance test procedure complete (following repairs and retesting if required):

Test Team Leader's Name (Print): _____ Life Number: _____

Test Team Leader's Name (Sign): _____ Date: ____/____/____

Test results reviewed by:

Safety Section Head's Name (Print): _____ Life Number: _____

Safety Section Head's Name (Sign): _____ Date: ____/____/____

Test results accepted by Radiation Safety Committee:

RSC Member's Name (Print): _____ Life Number: _____

RSC Member's Name (Sign): _____ Date: ____/____/____

1.1 Test to Sweep ATF Experimental Hall (EH) starting at Door B

- | | | | |
|--------------------------|---|--|---------------|
| | CLOSE | Door A | |
| <input type="checkbox"/> | VERIFY | Door A is | CLOSED |
| | ENTER | EH at door B | |
| | CLOSE | Door B | |
| <input type="checkbox"/> | VERIFY | Door B is | CLOSED |
| | ACTIVATE | Check station CS-5 | |
| <input type="checkbox"/> | VERIFY | Check station CS-5 indicator light is | ON |
| <input type="checkbox"/> | VERIFY | Strobe Light (SL) - 1 <input type="checkbox"/> and SL -2 <input type="checkbox"/> in EH are | ON |
| | ACTIVATE | Check station CS-4 | |
| <input type="checkbox"/> | VERIFY | Check station CS-4 indicator light is | ON |
| | ACTIVATE | Check station CS-3 | |
| <input type="checkbox"/> | VERIFY | Check station CS-3 indicator light is | ON |
| | ACTIVATE | Check station CS-2 | |
| <input type="checkbox"/> | VERIFY | Check station CS-2 indicator light is | ON |
| | ACTIVATE | Door Guard (DG-1) at inside of door A | |
| | EXIT | Door A leaving one ACS personnel inside | |
| | ACTIVATE | Check station CS-1 and Hold (~ 5secs) for Audible alarm before Release | |
| <input type="checkbox"/> | VERIFY | For ~ _____ secs, (~15 secs is acceptable) Audible Alarm is | ON |
| <input type="checkbox"/> | VERIFY | Interlock Lights for Door A <input type="checkbox"/> and Door B <input type="checkbox"/> are | ON |
| <input type="checkbox"/> | VERIFY | Hit Crash & Emergency Exit sign on A <input type="checkbox"/> wall and B <input type="checkbox"/> wall in EH are | ON |
| <input type="checkbox"/> | VERIFY | Flashing Light at Control Room (CR) exit near A door is | ON |
| <input type="checkbox"/> | Check for acceptance of Test to Sweep ATF Experimental Hall (EH) starting at Door B | | |

1.2 Test entry through EH door drops Sweep

- | | | | |
|--------------------------|--|---|------------|
| | OPEN | EH door A | |
| <input type="checkbox"/> | VERIFY | Interlock for Door A <input type="checkbox"/> and Door B <input type="checkbox"/> is | OFF |
| | CLOSE | EH door A | |
| | ACTIVATE | Check station CS-1 and Hold for ~ 5 secs | |
| <input type="checkbox"/> | VERIFY | Audible Alarm does not come | ON |
| <input type="checkbox"/> | VERIFY | Interlock for Door A <input type="checkbox"/> and Door B <input type="checkbox"/> remain | OFF |
| <input type="checkbox"/> | Check for acceptance of Test entry through EH door drops Sweep | | |

1.3 Test Attempt to Sweep with Door open fail

- | | | | |
|--------------------------|---|---|-------------|
| | OPEN | Door A and hold | OPEN |
| <input type="checkbox"/> | VERIFY | Door A is | OPEN |
| | ACTIVATE | Check station CS-5 | |
| <input type="checkbox"/> | VERIFY | Check station CS-5 indicator light remains | OFF |
| <input type="checkbox"/> | Check for acceptance of Test Attempt to Sweep with Door open fail | | |

1.4 Test to Sweep ATF Experimental Hall (EH) starting at Door A

- | | | | |
|--------------------------|---|--|---------------|
| | CLOSE | Door B | |
| <input type="checkbox"/> | VERIFY | Door B is | CLOSED |
| | ENTER | EH at door A | |
| | CLOSE | Door A | |
| <input type="checkbox"/> | VERIFY | Door A is | CLOSED |
| | ACTIVATE | Check station CS-2 | |
| <input type="checkbox"/> | VERIFY | Check station CS-2 indicator light is | ON |
| <input type="checkbox"/> | VERIFY | Strobe Light (SL) - 1 <input type="checkbox"/> and SL -2 <input type="checkbox"/> in EH are | ON |
| | ACTIVATE | Check station CS-3 | |
| <input type="checkbox"/> | VERIFY | Check station CS-3 indicator light is | ON |
| | ACTIVATE | Check station CS-4 | |
| <input type="checkbox"/> | VERIFY | Check station CS-4 indicator light is | ON |
| | ACTIVATE | Check station CS-5 | |
| <input type="checkbox"/> | VERIFY | Check station CS-5 indicator light is | ON |
| | ACTIVATE | DG-2 at inside of Door B | |
| | EXIT | Door B leaving one ACS personnel inside | |
| | ACTIVATE | Check station CS-6 and Hold (~ 5secs) for Audible alarm before Release | |
| <input type="checkbox"/> | VERIFY | For ~ _____ secs, (~15 secs is acceptable) Audible Alarm is | ON |
| <input type="checkbox"/> | VERIFY | Interlock Lights for Door A <input type="checkbox"/> and Door B <input type="checkbox"/> are | ON |
| <input type="checkbox"/> | VERIFY | Hit Crash & Emergency Exit sign on A <input type="checkbox"/> wall and B <input type="checkbox"/> wall in EH are | ON |
| <input type="checkbox"/> | VERIFY | Flashing Light at Control Room (CR) exit near A door is | ON |
| <input type="checkbox"/> | Check for acceptance of Test to Sweep ATF Experimental Hall (EH) starting at Door B | | |

1.5 Test exit through EH door drops Sweep

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|--------------------------|---|---|------------|
| | OPEN | EH Door B | |
| <input type="checkbox"/> | VERIFY | Interlock for Door A <input type="checkbox"/> and Door B <input type="checkbox"/> is | OFF |
| | CLOSE | EH Door B | |
| | ACTIVATE | Check station CS-6 and Hold for ~ 5 secs | |
| <input type="checkbox"/> | VERIFY | Audible Alarm does not come | ON |
| <input type="checkbox"/> | VERIFY | Interlock for Door A <input type="checkbox"/> and Door B <input type="checkbox"/> is | OFF |
| <input type="checkbox"/> | Check for acceptance of Test exit through EH door drops Sweep | | |

END OF TEST PROCEDURE

TTL: Sign for completion of initial testing: _____

Date: ____/____/____

TTL: Sign for completion of final testing: _____

Date: ____/____/____